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## Amendments to the Claims:

The following listing of the claims replaces and supercedes all previous listings.

1. (Previously Presented) A method for creating a database, said method comprising:

collecting security transaction data for a preselected period of time, for a plurality of investment institutions, said transaction data including identity of securities being traded, transaction order sizes, execution prices and execution times:

grouping said transaction data into a plurality of orders;

calculating a plurality of cost benchmarks for each of said plurality of orders:

estimating transaction costs for each investment institution relative to said cost

storing said data.

benchmarks; and

- 2. (Original) The method as recited in claim 1, wherein said estimating step includes a step of regressing said transaction costs onto a plurality of percentiles.
- 3. (Currently Amended) The method as recited in claim 2, wherein said regressing step utilizes the <u>a</u> formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $C_i$ ,  $C_i$ ,  $C_i$ ) are regression parameters.

4. (Currently Amended) The method as recited in claim 3, wherein the regression parameters  $(c_i, c_i, c_i)$  are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\mathbb{Q}(\underline{c})$  WLS with respect to observations in each subdivision (WLS2).

- 5. (Original) The method as recited in claim 3, wherein functions *f* and *g* are set to be linear functions.
- 6. (Original) The method as recited in claim 1, wherein said plurality of cost benchmarks include:

a closing price  $C_{T-1}$  of the security on a day prior to the day of the execution of the corresponding order;

a volume-weighted average price VWAP across all trades for the security during the day of execution of the corresponding order;

a closing price  $C_{T+1}$  of the security on the first day after the day of execution of the corresponding order;

a closing price  $C_{T+20}$  of the security on the 20th day after the day of execution of the corresponding order;

an open price  $O_T$  of the security on the day of execution of the corresponding order; and

a prevailing midquote  $M_T$  of the security prior to the execution time of the corresponding order; and

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wherein each of said plurality of benchmarks are calculated for each security for each order.

- 7. (Original) The method recited in claim 1, wherein said estimating step takes into consideration a number of cost factors per order.
- 8. (Original) The method recited in claim 6, wherein said estimating step takes into consideration a number of cost factors per order.
- 9. (Currently amended) The method as recited in claim 8, wherein said regressing step utilizes the <u>a</u> formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i,$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $c_i$ ,  $c_i$ ,  $c_i$ ) are regression parameters; and wherein transaction costs are regressed for each cost factors.

10. (Currently amended) The method as recited in claim 9, wherein the regression parameters ( $c_i$ ,  $c_i$ ,  $c_i$ ) are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\mathbb{Q}(\mathbf{c})$  WLS with respect to observations in each subdivision (WLS2).

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11. (Original) The method as recited in claim 9, wherein functions *f* and *g* are set to be linear functions.

- 12. (Original) The method as recited in claim 1, wherein said cost benchmarks are calculated in real-time as transactions are executed, and are stored in a database.
- 13. (Original) The method as recited in claim 1, wherein said estimating step is performed periodically for all transactions that occurred during a predetermined time frame.
- 14. (Currently Amended) A method for ranking a first institutional investor's security transaction cost performance relative to transaction costs of other institutional investors for investment institutions, said method comprising steps of:

collecting security transaction data for a preselected period of time, for a plurality of investment institutions, said transaction data including identity of securities being traded, transaction order sizes, execution prices, momentum and execution times;

grouping said transaction data into a plurality of orders;

calculating a plurality of cost benchmarks for each of said plurality of orders;

estimating transaction costs for each investment institution relative to said cost

benchmarks; and

ranking said first institutional investor a first investment institution of said plurality of investment institutions against said plurality of investment institutions for at least one of a number of factors.

- 15. (Original) The method as recited in claim 14, wherein said estimating step includes a step of regressing said transaction costs onto a plurality of percentiles.
- 16. (Currently amended) The method as recited in claim 15, wherein said regressing step utilizes a the formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $c_i$ ,  $c_i$ ,  $c_i$ ) are regression parameters.

- 17. (Currently Amended) The method as recited in claim 16, wherein the regression parameters  $(c_i, c_i, c_i)$  are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\mathbb{Q}(\underline{\mathbf{c}})$  WLS with respect to observations in each subdivision (WLS2).
- 18. (Original) The method as recited in claim 16, wherein functions *f* and *g* are set to be linear functions.
- 19. (Original) The method as recited in claim 14, wherein said plurality of cost benchmarks include:

a closing price  $C_{T-1}$  of the security on a day prior to the day of the execution of the corresponding order;

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a volume-weighted average price VWAP across all trades for the security during the day of execution of the corresponding order;

a closing price  $C_{T+1}$  of the security on the first day after the day of execution of the corresponding order;

a closing price  $C_{T+20}$  of the security on the 20th day after the day of execution of the corresponding order;

an open price  $O_T$  of the security on the day of execution of the corresponding order; and

a prevailing midquote  $M_T$  of the security prior to the execution time of the corresponding order; and

wherein each of said plurality of benchmarks are calculated for each security for each order.

- 20. (Original) The method recited in claim 14, wherein said factors include size and momentum.
- 21. (Original) The method recited in claim 19, wherein said factors include size and momentum.
- 22. (Currently amended) The method as recited in claim 21, wherein said regressing step utilizes <u>a</u> the formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i,$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $c_i$ ,  $c_i$ ,  $c_i$ ) are regression parameters; and wherein transaction costs are regressed for each cost factors.

- 23. (Currently amended) The method as recited in claim 22, wherein the regression parameters ( $c_i$ ,  $c_i$ ,  $c_i$ ) are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\Theta(c)$  WLS with respect to observations in each subdivision (WLS2).
- 24. (Original) The method as recited in claim 23, wherein functions *f* and *g* are set to be linear functions.
- 25. (Original) The method as recited in claim 14, wherein said cost benchmarks are calculated in real-time as transactions are executed, and are stored in a database.
- 26. (Original) The method as recited in claim 14, wherein said estimating step is performed periodically for all transactions that occurred during a predetermined time frame.
- 27. (Currently Amended) A system for ranking a first institutional investor's security transaction cost performance relative to transaction costs of other institutional investors for a plurality of investment institutions, said system comprising:

processing means for collecting security transaction data for a preselected period of time, for a plurality of investment institutions, said transaction data including identity of securities being traded, transaction order sizes, execution prices, momentum and execution times, grouping said transaction data into a plurality of orders; calculating a plurality of cost benchmarks for each of said plurality of orders; estimating transaction costs for each investment institution relative to said cost benchmarks; and ranking said a first investment institution of said plurality of investment institutions institutional investor against said plurality of investment institutions for at least one of a number of factors; and

storing means for receiving data from said processing means, storing said data, and making data available to said processing means.

- 28. (Original) The system according to claim 27, wherein said processing means estimates the transaction costs by regressing said transaction costs onto a plurality of percentiles.
- 29. (Currently amended) The system according to claim 28, wherein said processing means performs the regression by <u>a</u> the formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i,$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $c_i$ ,  $c_i$ ,  $c_i$ ) are regression parameters.

- 30. (Currently amended) The system according to claim 29, wherein the regression parameters ( $c_i$ ,  $c_i$ ,  $c_i$ ) are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\mathbb{Q}(c)$  WLS with respect to observations in each subdivision (WLS2).
- 31. (Original) The system according to claim 29, wherein functions f and g are set to be linear functions.
- 32. (Original) The system according to claim 27, wherein said plurality of cost benchmarks include:

a closing price  $C_{T-1}$  of the security on a day prior to the day of the execution of the corresponding order;

a volume-weighted average price VWAP across all trades for the security during the day of execution of the corresponding order;

a closing price  $C_{T+1}$  of the security on the first day after the day of execution of the corresponding order;

a closing price  $C_{T+20}$  of the security on the 20th day after the day of execution of the corresponding order;

an open price  $O_T$  of the security on the day of execution of the corresponding order; and

a prevailing midquote  $M_T$  of the security prior to the execution time of the corresponding order; and

wherein each of said plurality of benchmarks are calculated for each security for each order.

- 33. (Original) The system according to claim 27, wherein said factors include size and momentum.
- 34. (Original) The system according to claim 32, wherein said factors include size and momentum.
- 35. (Currently amended) The system according to claim 34, wherein said processing means performs the regression by the <u>a</u> formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i,$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $C_i$ ,  $C_i$ ,  $C_i$ ) are regression parameters; and wherein transaction costs are regressed for each cost factors.

36. (Currently amended) The system according to claim 34, wherein the regression parameters ( $C_i$ ,  $C_i$ ,  $C_i$ ) are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\Theta(c)$  WLS with respect to observations in each subdivision (WLS2).

- 37. (Original) The system according to claim 36, wherein functions f and g are set to be linear functions.
- 38. (Original) The system according to claim 27, wherein said cost benchmarks are calculated in real-time as transactions are executed, and are stored in a database.
- 39. (Original) The system according to claim 27, wherein said processing means performs periodically for all transactions that occurred during a predetermined time frame.
- 40. (Currently Amended) A system for ranking a first institutional investor's security transaction cost performance relative to transaction costs of other for a plurality institutional investors, said system comprising:

a processing unit coupled with a network and configured to collect security transaction data for a pre-selected period of time, for a plurality of investment institutions, said transaction data including identity of securities being traded, transaction order sizes, execution prices, momentum and execution times, to group said transaction data into a plurality of orders, to calculate a plurality of cost benchmarks for each of said plurality of orders, to estimate transaction costs for each order relative to said cost benchmarks, and to store said data in a database; and

a database unit coupled with said processing unit and configured to communicate with said processing unit, store data and making data available to said processing unit.

- 41. (Original) The system according to claim 40, wherein said processing unit is further configured to estimate the transaction costs by regressing said transaction costs onto a plurality of percentiles.
- 42. (Currently amended) The system according to claim 41, wherein said processing unit is further configured to perform the regression by <u>a</u> the formula:

$$X_i = c_i + c_i f(S) + c_i g(M) + c_i$$

for percentiles I = 25, 40, 50, 60 or 75, and each percentile I is assumed to depend linearly on functions f and g of size (S) and momentum (M) respectively, and ( $C_i$ ,  $C_i$ ,  $C_i$ ) are regression parameters.

- 43. (Currently amended) The system according to claim 42, wherein the regression parameters ( $c_i$ ,  $c_i$ ,  $c_i$ ) are estimated using (a) ordinary least squares (OLS), (b) weighted least squares (WLS) with respect to OLS residuals (WLS1), and  $\Theta(c)$  WLS with respect to observations in each subdivision (WLS2).
- 44. (Original) The system according to claim 43, wherein functions f and g are set to be linear functions.
- 45. (Original) The system according to claim 44, wherein said plurality of cost benchmarks include:

a closing price  $C_{T-1}$  of the security on a day prior to the day of the execution of the corresponding order;

a volume-weighted average price VWAP across all trades for the security during the day of execution of the corresponding order;

a closing price  $C_{T+1}$  of the security on the first day after the day of execution of the corresponding order;

a closing price  $C_{T+20}$  of the security on the 20th day after the day of execution of the corresponding order;

an open price  $O_T$  of the security on the day of execution of the corresponding order; and

a prevailing midquote  $M_T$  of the security prior to the execution time of the corresponding order; and

wherein each of said plurality of benchmarks are calculated for each security for each order.

- 46. (Original) The system according to claim 45, wherein said factors include size and momentum.
- 47. (Original) The system according to claim 45, wherein said cost benchmarks are calculated in real-time as transactions are executed, and are stored in a database.
- 48. (Original) The system according to claim 45, wherein said processing unit performs estimates periodically for all transactions that occurred during a predetermined time frame.

- 49. (Original) The system according to claim 40, further comprising at least one client interface coupled with said database unit, said client interface configured to display a ranking for a selected institution based on said data stored in said database unit.
- 50. (Original) The system according to claim 49, wherein said client interface is configured to graphically display said ranking as bar graphs, said ranking shown as a percentage of a total range for a plurality of factors.
- 51. (Original) The system according to claim 49, wherein said client interface is configured to graphically display said ranking as bar graphs, said ranking shown as a percentage of a total range for each said cost benchmark.